

ABSTRACT OF THE DISCLOSURE

A power supply device relating to the invention comprises a switching element connected between two different potentials, an output smoothing section for smoothing a voltage outputted from a terminal of the switching element and produce an output voltage provided for a load, a driver section for driving and controlling the switching element, and an output current sensing section for monitoring current flowing through the load, the output current sensing section provided in a stage after the output smoothing section. The power supply device is configured in such a way that, when a desired output voltage is produced from an input voltage, the switching element is driven and controlled by the driver section by incorporating a monitored result obtained by the output current sensing section. According to this configuration, it is possible to produce a stable output voltage even if there are abrupt changes of load.